



ACCURATE
AND CONVENIENT
CRITICAL CARE ANALYSIS

ErbaLyte

ISE ELECTROLYTE ANALYZER



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TOTAL SOLUTIONS FOR CLINICAL DIAGNOSTICS

Version No 1.1

ErbaLyte

For accurate and convenient critical care analysis

The Erba Lyte series of electrolyte analyzers are automated, microprocessor controlled that use ISE (Ion Selective Electrode) technology for the measurement of ions - potassium (K), sodium (Na), chloride (Cl), calcium (Ca), lithium (Li), pH and HCO₃⁻ (CO₂) in human body fluids.

- Touch screen LCD
- Onboard inventory management
- Visual icons for low reagent level
- Low cost / test
- Closed reagent cartridge to avoid contamination
- Reusable reaction cuvettes
- User friendly software
- Long life electrodes
- Standby mode
- Auto sampler (optional)
- Series of combination available

The analyzer consists of electrochemical sensors, pressure sensors, microprocessor system, control system, auto sampling system, auto washing system and reagent kits including standard A, standard B, and other standards, where required.



TECHNICAL SPECIFICATIONS:

Principle: Direct measurement by Ion Selective Electrode (ISE)
 Throughput: 60 samples / hour
 Sample type: Whole Blood, Serum, Plasma, Diluted Urine
 Sample volume: 150ul
 Measuring range:

Analyte	Measuring range	Precision (CV%)
K ⁺	0.50 - 15.0 mmol/L	≤ 1.0%
Na ⁺	30.0 - 200.0 mmol/L	≤ 1.0%
Cl ⁻	30.0 - 200.0 mmol/L	≤ 1.0%
Ca ⁺⁺	0.10 - 5.00 mmol/L	≤ 2.0%
Li ⁺	0.20 - 3.00 mmol/L	≤ 3.0%
pH	4.00 - 9.00 unit	≤ 1.0%

Calibration: 1 point or 2 point calibration at adjustable time interval
 Data input: Touch screen
 Display: Large LCD with backlight
 Data storage: Up to 200 patient results
 Printer: Built-in thermal printer
 Quality control: Facility to run 2 level of QC statistic report with Mean, SD and CV% for daily or monthly QC

Reagents: Closed reagent module containing calibration solutions and waste chamber

Audible and visual: Beep sound for completion of sample aspiration

Alarms: Visual alarms for reagent inventory:
 📄 icon indicates the remaining reagents can run about 150 samples
 📄 icon indicates the remaining reagents can run about 20 samples
 🗑️ icon indicates the remaining reagents are run out

Communication: RS 232 serial port

Ambient temp.: 15 - 32 °C

Relative humidity: ≤ 85%

Voltage input: AC 220 or 110V +- 10%, 50/60 Hz

Power consum.: 60W

Weight: 10 kg (instrument only)

Opt. accessories: Auto Sampler, barcode reader

Series of Erba Lyte models:

Erba Lyte Electrolyte analyzer with Na / K analytes
 Erba Lyte Plus Electrolyte analyzer with Na / K / Cl analytes
 Erba Lyte Li Electrolyte analyzer with Na / K / Li analytes
 Erba Lyte Li + Electrolyte analyzer with Na / K / Cl / Li analytes
 Erba Lyte Ca Electrolyte analyzer with Na / K / Ca / pH analytes
 Erba Lyte Ca + Electrolyte analyzer with Na / K / Ca / Cl / pH analytes
 Erba Lyte Pro Electrolyte analyzer with Na / K / Cl / CO₂ analytes
 Erba Lyte Pro + Electrolyte analyzer with Na / K / Ca / Cl / CO₂ / pH analytes

